

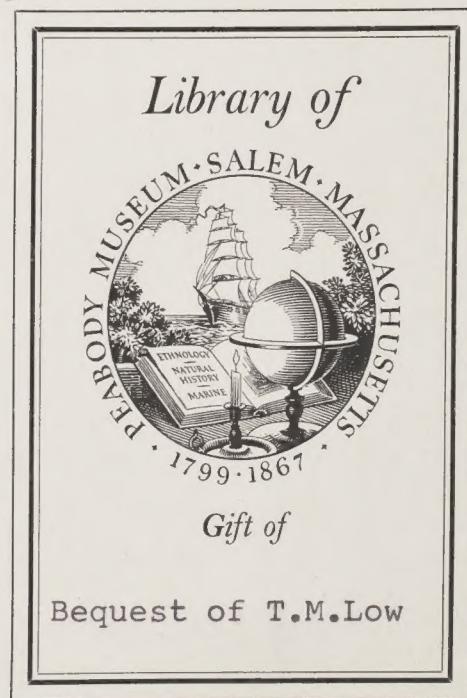
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Abstract 7 Fig. 6: Itaqua (20)

W. B. Palmer (120)

Samuel Russell

Zoë Bell



Abstract Log of Ship "Jacob Bell" Chas P Low

1859	Date	Lat North Mile	Long West Mile	Course	Dist	whole Dist	Bar	Air	Water	Days out	1 st Part	2 nd Middle
Jan'y 20 th		39° 53'	70° 33'	S 79° E	154	154	30° 40	48°	44°	1	SW	South
" 21		39° 15'	68° 40'	S 78° E	220	374	30° 40	49°	44°	2	SSW	SSW
" 22		39° 16'	60° 50'	East	220	594	30° 40	58°	50°	3	SSW	SSW
" 23		38° 52'	58° 56'	S 79° E	180	774	30° 40	62°	60°	4	SSW	SSW
" 24		39° 36'	53° 00'	N 79° E	190	964	30° 40	62°	60°	5	SW by S	SW by S
" 25		39° 37'	52° 20'	East	38	999	30° 50	63°	60°	6	SW	N E
" 26		37° 47'	49° 44'	S 68° E	152	1151	30° 50	63°	61°	7	S by W	W NW
" 27		37° 42'	48° 00'	S 57° E	80	1231	30° 50	64°	63°	8	East	SE
" 28		38° 05'	43° 12'	N 86° E	230	1461	30° 50	64°	64°	9	SSW	SSW
" 29		37° 48'	41° 59'	S 75° E	50	1511	30° 50	64°	64°	10	South	S by E
" 30		36° 24'	42° 24'	S 73° W	90	1601	30° 50	68°	65°	11	S E	SSE
" 31 st		34° 31'	43° 9'	S 17° N	112	1713	30° 50	65°	65°	12	S by E	S by E
Feby 1 st		34° 29'	41° 47'	East	68	1781	30° 60	65°	65°	13	SSE	SSE
" 2 nd		35° 26'	39° 32'	N 60° E	122	1903	30° 70	64°	68°	14	SSE	SSE
" 3 rd		35° 7'	37° 34'	S 75° E	102	2005	30° 80	64°	65°	15	SSW	SSW
" 4 th		33° 20'	37° 44'	S 4° N	110	2115	30° 90	65°	66°	16	SSE	SSE
" 5 th		29° 8'	36° 52'	S 11° E	260	2375	30° 70	66°	68°	17	ENE	ENE
" 6 th		28° 13'	36° 12'	S 11° E	240	2615	30° 50	68°	68°	18	S by W	S by W
" 7 th		21° 13'	36° 45'	S 6° E	240	2855	30° 30	68°	72°	19	S by W	S by W
" 8 th		17° 12'	34° 13'	S 18° E	260	3115	30° 20	72°	73°	20	S by W	S by W
" 9 th		13° 47'	32° 45'	S 22° E	220	3335	30° 20	72°	73°	21	S by W	S by W
" 10 th		11° 5'	30° 46'	S 32° E	204	3539	30° 10	74°	74°	22	ENE	ENE
" 11 th		8° 12'	28° 51'	S 30° E	205	3744	30° 10	74°	78°	23	ENE	ENE
" 12 th		5° 47'	27° 24'	S 28° E	174	3918	30° 00	80°	80°	24	N E	N E
" 13 th		3° 24'	26° 4'	S 28° E	164	4082	30° 00	82°	80°	25	NNE	CNE
" 14 th		1° 17'	25° 45'	S 20° E	130	4212	30° 00	82°	82°	26	NE to N.	N E
" 15 th		0° 11'	25° 00'	S 33° E	82	4294	30° 00	82°	82°	27	North	East
" 16 th		0° 34'	24° 19'	South	46	4339	30° 00	84°	82°	28	North	North
" 17 th		1° 46'	24° 22'	South	72	4411	30° 00	84°	82°	29	West to North	West
" 18 th		2° 47'	24° 51'	S 22° N	68	4479	30° 00	84°	82°	30	West	West

Commander from New York towards Hong Kong. 1859

Traveller

Remarks.

S by E	Moderate breeze & fine weather.
S S W	Fresh breeze - Hard Gale.
S S W	Fresh breeze & high sea.
S by W	Heavy Gale & high sea.
S W by S	Heavy Gale - ship under close reefs.
N E by W	Heavy Gale - middle part wind shifts to N E
East	Moderate breeze nearly calm.
S S W	Moderate - close reefs - Moderate -
S by W	Fresh - moderate -
S by W	Light breeze - calm.
S S E	Moderate whole sail breeze -
S by E	Fresh breeze - double reef'd -
S S E	Double reef topsail breeze
S S E	Fresh Gales with heavy squalls. here too for 3 hours.
South	Set double reefs Topsails - strong breeze - all sail set.
S S E	Moderate breeze - all sail set sharp on a wind.
E N E	Fine breeze from E N E
E by W	Fine trades. single reefs - heavy sea -
E by W	Fresh trades -
E by W	Fresh trades -
E by W	Fresh trades -
E N E	Fresh trades & cloudy - set stunsail for 1 st time
N E by E	Light trades & cloudy. Moderate & clear.
N E	Light trades & pleasant. all stunsails set for 24 hours.
N E	Light trades & pleasant.
East to W	Light & baffling. rain from midnight till 8 am
North	Light & baffling airs.
North	" " "
North	" " "
S E to East	" " "

Abstract Log of Ship "Jacob Bell" Chas P Low

1859	Date	Lat ^{it} South	Long ^{it} West	Course	Dist	Whole	Bar	Air	Water	Days out	Part	Middle
						Dist						
Feby 19 th		5° 28'	26° 41'	S 35° W	195	4674	30° 10'	84°	82°	31	S E	S E by S
20		8° 29'	28° 21'	S 28° W	214	4888	30° 10'	84°	82°	32	S S E	S E by S
21		12° 21'	29° 44'	S 16° W	245	5133	30° 10'	82°	80°	33	S E by S	S E
22		16° 20'	30° 8'	S 5° W	245	5378	30° 20'	82°	80°	34	E S E	S E by S
23		19° 7'	29° 54'	S 4° E	162	5540	30° 20'	85°	82°	35	S E by E	E S E
24		22° 9'	29° 7'	S 13° E	188	5728	30° 20'	83°	82°	36	E S E	East
25		24° 34'	28° 18'	S 16° E	158	5886	30° 30'	84°	80°	37	E S E	East
26		25° 31'	27° 8'	S 38° E	82	5968	30° 30'	86°	82°	38	N E	North
27		26° 54'	25° 47'	S 40° E	115	6083	30° 20'	82°	80°	39	N E	calm
28		28° 31'	22° 40'	S 60° E	196	6279	30° 20'	88°	78°	40	N E by E	NE
March 1 st		30° 3'	19° 2'	S 64° E	213	6492	30° 30'	78°	76°	41	N E	N E
2		31° 36'	16° 00'	S 60° E	186	6678	30° 30'	76°	73°	42	E N E	N E by E
3		33° 17'	12° 3'	S 63° E	224	6902	30° 20'	74°	72°	43	N E by E	E E
4		34° 48'	7° 41'	S 68° E	243	7145	30° 10'	74°	70°	44	N E by E	N E by E
5		36° 11'	4° 20'	S 62° E	190	7335	30° 00'	69°	67°	45	N E by E	N E by E
6		37° 19'	0° 36'	S 76° E	250	7585	29° 40'	67°	64°	46	N E by E	N E
7		38° 29'	5° 56'	S 74° E	266	7851	30° 00'	62°	63°	47	North	N NW
8		38° 47'	8° 42'	S 80° E	135	7986	30° 25'	64°	65°	48	N S W	True
9		39° 9'	12° 35'	S 82° E	185	8171	30° 25'	59°	65°	49	N N W.	N N W
10		39° 14'	13° 48'	S 86° E	62	8233	30° 10'	64°	65°	50	S W	calm
11		40° 43'	18° 27'	S 68° E	248	8481	29° 90'	67°	66°	51	E N E	East
12		41° 28'	22° 57'	S 74° E	211	8692	30° 00'	72°	71°	52	N E by E	N N E
13		41° 10'	25° 30'	N 81° E	120	8812	29° 80'	69°	68°	53	N W	North
14		41° 18'	29° 12'	S 88° E	176	8988	29° 75'	65°	63°	54	N W	North
15		41° 28'	34° 25'	S 87° E	242	9230	30° 10'	59°	61°	55	North	N N N
16		41° 26'	36° 39'	N 89° E	100	9330	30° 00'	68°	59°	56	W S W	calm
17		41° 41'	38° 50'	S 81° E	100	9430	30° 00'	59°	58°	57	N E	N W
18		40° 53'	44° 28'	N 79° E	288	9688	30° 15'	49°	57°	58	S S W	S S W
19		40° 53'	50° 18'	East	275	9963	30° 10'	58°	64°	59	W S W	W S W
20		40° 55'	56° 4'	N 86° E	275	10238	30° 10'	52°	63°	60	N N W	N N W

Commander from New York towards Hong Kong

1859

Latter

Remarks.

S E by S Light breeze with dark rain clouds - Moderate trades -

S E Fine trades throughout -

S E by E " " " Injured by the gun going off while running ^{home the cartridge}

S E by E " " while firing a salute. William Dister a seaman was severely

E S E Light trades, pleasant

E S E Moderate trades, at midnight made Trinidad.

N E Light breeze - passed a barque.

N E Light breeze -

N E Light airs & calm - Midnight, fresh breeze from N E.

N E Moderate - Light squalls - pleasant.

N E by E Moderate -

E N E Light - Moderate - fresh -

E N E Fresh breeze & fine weather, two ships in company.

N E by E Fresh breeze & fine.

N E by E Moderate & pleasant - Moderate & cloudy.

N N E Moderate with mist clouds. Fresh & clear.

N S W Fresh breeze & clear - 10 am sudden shift to S W.

W N W Light & pleasant throughout -

S W Moderate -

E N E Calm - Moderate - two Barks in company.

N E by E Moderate & cloudy. Fresh with head sea, passed islands in 2 days

N W Fresh with high head sea - close reefs - heavy rain. shift to N W

N N E Fresh - light airs with heavy sea - ship rolling heavy.

N N E Light - Moderate - Fresh -

W S W Fresh & clear - strong & cloudy -

N E Moderate - Calm - Light airs

W N W Light airs - Moderate - rain squalls. Fresh, 3 vessels in company.

S W Heavy squall - in courses & when break. Fresh Gale - strong breeze

W S W Fresh throughout.

W N W " " " & cloudy

Abstract Log of Ship "Jacob Bell" Chas. P. Low

1859 Date	Lat South Tall Tong EAST	Course	Dist	whole Dist	Bar	Air	Water	Days out	Part 1 st Part	middle
March 21 st	40° 07'	60° 07' N 81° E	188	10426	30° 30'	57°	62°	61	N SW	SW
" 22 nd	40° 11'	63° 1' S 88° E	130	10556	30° 20'	62°	63°	62	Calm	N E
" 23 rd	40° 7'	68° 14' N 88° E	245	10801	30° 20'	59°	60°	63	N W	W SW
" 24 th	40° 5'	74° 20' East	276	11077	29° 70'	64°	60°	64	N E W	W W W
" 25 th	40° 5'	78° 40' East	200	11277	29° 50'	64°	56°	65	W NW	W W W
" 26 th	38° 46'	81° 26' N 87° E	148	11425	29° 90'	Broke Therm.		66	West	West
" 27 th	36° 28'	86° 50' N 62° E	300	11725	30° 10'			67	N SW	N W
" 28 th	34° 20'	90° 20' N 50° E	210	11935	30° 20'			68	N NW	W W W
" 29 th	32° 47'	92° 33' N 50° E	154	12089	30° 30'			69	N NW	West
" 30 th	31° 54'	94° 51' N 65° E	122	12211	30° 20'			70	Calm.	N by E
" 31 st	29° 26'	97° 20' N 40° E	197	12408	30° 10'			71	N N W	N N W
April 1 st	26° 59'	98° 57' N 28° E	172	12580	30° 20'			72	S SW	S SW
" 2 nd	23° 46'	100° 00' N 16° E	206	12786	30° 25'			73	S SW	SE
" 3 rd	20° 6'	101° 6' N 14° E	226	13012	30° 20'			74	E SE	E SE
" 4 th	16° 5'	102° 17' N 14° E	258	13270	30° 15'			75	E SE	E by S
" 5 th	12° 35'	102° 57' N 12° E	218	13488	30° 10'			76	East	East
" 6 th	8° 58'	103° 21' N 5° E	220	13708	30° 00'			77	E by W	E by W
" 7 th	7° 59'	103° 33' N 25° E	68	13776	30° 00'			78	E N E	N E
" 8 th	7° 28'	104° 42' N 52° E	46	13822	30° 00'			79	Calm	E by S
" 9 th	7° 7'	105° 00' N 28° E	30	13852	30° 00'			80	Calm	Calm
" 10 th	6° 27'	104° 52' N 16° W	34	13886	30° 00'			81	E by S	N E by W
" 11 th	6° 28'	105° 51' East	40	13936	29° 90'			82	N N E	N E
" 12 th	6° 15'	105° 35' N 22° E	14	13940	29° 90'			83	N N E	Calm
" 13 th								84		
" 14 th								85		
" 15 th	5° 36'	106° 8' N 24° E	32	13972	30° 00'			86	East	SE
" 16 th	5° 26'	106° 13' N 22° E	12	13984	30° 00'			87	East	East
" 17 th	5° 20'	106° 10' North	5	13989	30° 00'			88	East	East
" 18 th	3° 52'	106° 49' N 22° E	112	14101	30° 00'			89	S W	South
" 19 th	3° 40'	106° 28' N 22° W	19	14120	30° 00'			90	East	East

Commander from New York towards Hong Kong

Letter

Remarks

S E	Strong breeze & high sea. Moderate & cloudy - Light airs.
N W	Calm - Light - Fresh with rain squalls.
N S W	Fresh - shift to N S W. Strong M. I. G. Breeze & squally.
W N W	Fresh & squally - double reefs - Fresh Gale & high sea.
West	Fresh gale - Moderate with threatening weather -
W S W	Rainy with uncertain weather. 4 P.M. heavy squall of rain. Thunder & lightning.
W N W	Strong breeze & cloudy. Fresh - Strong M. I. G. Breeze & squally.
N N W	Fresh breeze - Moderate & cloudy - Light breeze clear & warm.
N W	Light & cloudy - Light airs & calm - heavy dew
North	Calm - Light - Moderate - heavy dew
M W	Moderate & fine - very damp.
S S W	2 P.M. sudden shift to S P.M. Light breeze with heavy swell
E S E	Light & cloudy - Moderate trades
E S E	Moderate trades -
E by S	Fine trades & pleasant.
East	Moderate & cloudy.
E by W	Moderate, Pleasant.
W N E	Light & baffling - with light rain squalls.
calm	Calm - Light airs - made Java Head at 6am.
calm	Light airs from East - N W - N E
N E	Light breeze - hove too off Java Head. calm - Moderate breeze. S. W. current.
E S E	Light - Moderate - strong current setting S. W.
N E	Fresh breeze. S. E. squall. At anchor in Anjer
	At anchor
	At noon got underweigh & proceeded on the voyage.
N E	Light airs & calm.
East	" " "
East	" " "
East	Light breeze & fine weather.
East	Light airs & calm

70 Abstract Log of Ship "Jacob Bell" Chas. D. Low

Concluded from Bee Fish around Hung Shue 1869
Teller Remained

calm	Breeze at anchor most of the day
8m	Light west wind passed through the harbor.
9am	Wind. Light and variable.
10am	Light breeze rain calm
11am	Breeze from S. Light & hazy
12m	Light west. at noon very light. Light and
1pm	Very small for a hour. made a boat's sail
2pm	Wind. Light west. rain still very
3pm	Light west moderate small.
4pm	Breeze. Light west. at 4pm made the Harbor.
5pm	Light breeze
6pm	Wind. Light from west. Light breeze moderate
7pm	Very small. Wind to west.
8pm	Very small. 8pm made full sail. 8pm passed the 28th Parallel.
9pm	Fresh breeze from back East.
10pm	Fresh. made sailing to windward (Fast Lock)
11pm	Moderate. Light
8m	Wind. Light
9am	Light breeze throughout
10am	Light wind "
11am	" "
12pm	" "
1pm	" " moderate, with haze and variable
2pm	Fresh breeze & hazy weather. 2pm back to 28th
3pm	3pm came to anchor in the harbor.

Abstract Log of Whsps "Jacob Bell" Chas P. Low

1859 Date	1st Lat	Long Course	Dist with Error	Dist Bar	W ^h	Water	Days at Sea	1 st Lat	2 nd Lat	W ^h
June 9 th	22°24'	118°57' N 75°8'	102	102	24.80		1	22°24' N	22°24' N	
" 10 th	23°41'	118°38' N 62°E	168	267	30.00		2	23°41' S	23°41' S	
" 11 th	23°50'	120°12' N 44°E	167	434	30.00		3	23°50' S	23°50' S	
" 12 th										
" 13 th										
" 14 th							6			
" 15 th							7			
" 16 th							8			
" 17 th							9			
" 18 th							10			

Commissioner from King Henry towards the River 1807
Shuttle. 1807

3 P.M. Set the shuttle back to the Logat house.

4 P.M. Logat house & fine. Logat slowly

5 P.M. Logat houses fine ^{close up} the morning. Shuttle sent back to house with hard rain.

4 P.M. made the White Dogs. I past a bit in a ditch & it kept him away to another. off the water this is of the same water.

I am yet underway & proceeded over the bar. mind of this
time to shuttle. I am yet underway & hatched on the same
bar but did no damage.

Employed working up the River to Logat. Shuttle
came to our meeting place at 4 P.M. on the 10th

Abstract Log of Ship "Jacob Bell" Chas. P. Bow

Date	Lat ^N Long ^E	Course	Dist ^{whole}	Dist ^{1/4 mile}	Bar	Air	Water	out	days	Port	Middle
									1 st		
Aug 25 th	24° 57'	122° 8'	862.8	126	126	30.00			1	S SW	West
" 26 th	28° 23'	122° 38'	916.8	120	246	30.00			2	N E	East
" 27 th	21° 54'	121° 51'	928.8	90	336	30.00			3	N E	North
" 28 th	20° 29'	118° 36'	908.8	249	88.5	29.70 29.60			4	N NE	North
" 29 th	19° 6'	117° 34'	835.8	98	68.8	29.30 29.60			5	N W	W W
" 30 th	19° 47'	116° 17'	806.8	80	76.8	29.70 29.80			6	West	W SW - SW
" 31 th	22° 00'	114° 30'	837.8	160	93.8	24.80			7	S SW	S SW - SW

Consecutive from May 16 to June 20. 1889
Lester C. Knobell.

May 16. Weather forecast to be very fine. White Dogs & hills South. Fresh breeze, touch
of coolness, with a few clouds. Light winds, light winds.

May 17. Fresh breeze & fine weather. Light breeze & fine weather.

May 18. Light breeze & pleasant. Little dark & quiet weather, clouds not thick.

May 19. Fresh breeze & fine. Little dark breeze & fine. With present the Anti-Nashua
wind comes from West with 15 m. falling and every other m. of
May 20. a gale. Very high clouds & in West & in South west. Wind
May 21. more violent the afternoon. Wind the same as at 18th & 19th with
light breeze. Wind very strong from the westward blowing strongly
to the East & strong & violent from the south. Some fine looks
let it pass to the southward of us.

May 22. Fairly weather with some cool air. Breeze
that of the morning & with light fine weather.

May 23. Fair weather with a few light clouds
in the afternoon.

Voyage Log of Ship 'Jacob Bell'											Chas. P. Low	
1559	Date	Lat. North	Long. West	Course	Dist. whole	Dist. true	Bar.	air	water	W. out	Wind	Middle
	Oct. 10 th	19° 20'	111° 54'	S 29° W	194	194	30° 00'	82°	84°	1	Eby S	E by E
	11 th	18° 58'	110° 14'	S 24° W	228	422	29° 80'	82°	83°	2	N E	N N E
	12 th	17° 18'	109° 38'	S 22° W	108	530	29° 90'	82°	83°	3	ESE	S W
	13 th	12° 38'	109° 44'	S 3° E	96	626	29° 80'	83°	83°	4	S E	west
	14 th	10° 58'	110° 3'	S 11° S	110	736	29° 80'	83°	83°	5	SSE	S S W
	15 th	9° 29'	109° 30'	S 9° W	90	826	29° 90'	84°	82°	6	N S W	N by S
	16 th	6° 21'	110° 1'	S 5° S	190	1016	30° 00'	83°	82°	7	N by S	N by S
	17 th	5° 10'	110° 08'	South	72	1088	30° 00'	84°	84°	8	S W	S W
	18 th	4° 13'	110° 8'	S 5° E	58	1146	30° 00'	85°	84°	9	S W	S W
	19 th	3° 52'	109° 28'	S 62° W	43	1159	30° 00'	88°	84°	10	Balm	N W
	20 th	3° 32'	108° 57'	S 62° W	40	1229	30° 00'	82°	84°	11	Balm	N E
	21 th	3° 12'	109° 00'	S 22° E	20	1249	30° 00'	82°	84°	12	Balm	N S W
	22 th	3° 5'	108° 26'	S 70° W	28	1277	30° 00'	85°	85°	13	Balm	Balm
	23 th	2° 12'	108° 4'	S 28° W	62	1339	30° 00'	82°	84°	14	S E	East
	24 th	1° 35'	107° 55'	S 18° W	38	1377	30° 00'	86°	84°	15	Balm	Balm
	25 th	0° 12'	107° 57'	South	107	1484	30° 00'	82°	84°	16	N N W	N S W
	26 th	0° 46'	107° 42'	S 24° W	38	1522	30° 00'	84°	84°	17	N S W	S S E
	27 th	1° 36'	107° 38'	S 3° W	50	1572	30° 00'	86°	84°	18	S E	Balm
	28 th	2° 13'	107° 8'	S 40° W	47	1619	30° 00'	87°	84°	19	Balm	S E
	Nov. 1 st	2° 35'	107° 13'	S 11° E	23	1642	30° 00'	86°	84°	20	S E	Balm
	2 nd	3° 37'	107° 24'	S 11° E	62	1704	30° 00'	83°	84°	21	S W	E S E
	3 rd	4° 30'	107° 17'	S 6° W	54	1758	30° 00'	86°	84°	22	S W	S S W
	4 th	4° 40'	106° 58'	S 68° W	24	1782	30° 00'	83°	84°	23	South	N S W
	5 th	4° 39'	106° 41'	S 40° W	24	1806	30° 00'	85°	84°	24	S S E	West S S W
	6 th	3° 20'	106° 12'	S 55° W	35	1841	30° 00'	80°	83°	25	S W	S S W
	7 th	3° 50'	105° 54'	S 33° W	34	1875	30° 00'	80°	83°	26	S W	S W
	8 th	6°				30° 00'		82°	83°	27	S W	calm
	9 th	6° 34'	104° 30'	S 70° W	90	1965	30° 00'	82°	82°	28	North	N W to S E
	10 th	7° 30'	102° 5'	S 66° W	150	2115	30° 00'	80°	82°	29	S E	N S W
	11 th	9° 10'	99° 3'	S 62° W	212	2327	30° 00'	80°	81°	30	S E	S E

Commemoration from 200-Officer via Thompson towards New York.
Tatler

Remarks

1589

N E At 8m about Latitude East nine miles. Fine breeze with rain showers.
M N E Moderate - Fine breeze - Heavy rain with heavy rain.
S E W Equally with much rain. Heavy rain squall. Moderate
North Moderate from E E - Land breeze from west - Light airs. Currents to North.
S W Light - Throughout the night barely equals - double sets - Cut fresh breeze
W by S Strong breeze & cloudy - strong breeze - into double sets.
S W by E Heavily squalls - spirit fit. In thundershower. Heavy & small.
E E W Light winds all east - Light moderate
Calm Moderate - Calm - Calm -
East Calm - Light wind - Light breeze
E to S E Light wind & rain - Squall with much rain. Cut fresh -
East Light wind & calm West wind 2 to 12 miles. Cut fresh -
E by S Light wind & calm At noon very cold & dry
N to N W Light & pleasant. At noon equally. Light wind & heavy rain -
S W to West Calm - Heavy rain - Moderate with rain
W to W W Light breeze & equally. Calm - Light wind -
S S E Light airs & calm - fresh equally from N. Calm.
S E Calm - Moderate breeze - rain. Light. Gaspar Will 8 in 1 mile.
E S E Light - calm. Light -
E N Light - 6 PM passed Table Rock. Light - equally.
W N W Moderate & equally West current 2 miles north. with high weather.
Calm Thick & sooty. Light airs. Moderate & following, moderate & sooty.
S W Light - heavy & small. Fresh. have too far daylight. brilliant to me
at noon. A watch 3 to 4 miles. Strong breeze, sooty ^{to the following day, the night.}
S W to S Fresh double reef breeze from S W. at daylight made said as Major. ^{in company}
S W Fresh double reef breeze from S W. at daylight made said as Major. ^{in company}
S W Moderate breeze - Calm - Light breeze.
North Light - at 11m got underway. 8 am fine. Set South. setting
S E Light breeze.
S S Moderate & equally Moderate with heavy rain.
S E 1st part very heavy rain. Strong off water.

Date	Wall	Long	Latitude	Dist ^{whole}	Dist	Bar	W ^{hrs}	Water ⁱⁿ	Wind ^{dir}	Log	
										South	East
Nov 12 th	10° 40'	44° 20'	5° 71° N	300	2627	30° 10'	88°	81°	SE	SE	SE
13 th	12° 39'	89° 38'	5° 69° N	300	2927	30° 10'	86°	80°	SE	SE	SE
14 th	14° 6'	88° 48'	5° 67° N	249	3176	30° 10'	86°	79°	SE	SE	SE
15 th	15° 32'	82° 53'	5° 66° N	208	3384	30° 15'	82°	79°	SE	SE	SE
16 th	16° 24'	79° 32'	5° 67° N	185	3569	30° 18'	81°	79°	East	ENE	ENE
17 th	17° 08'	76° 44'	600° N	170	3739	30° 10'	80°	77°	East	ENE	ENE
18 th	19° 7'	76° 44'	5° 72° N	228	3964	30° 18'	78°	76°	East	SE	SE
19 th	20° 7'	68° 67'	5° 78° N	234	4198	30° 20'	78°	77°	SE	South	South
20 th	21° 28'	65° 14'	5° 70° N	222	4420	30° 20'	78°	77°	South	SE	SE
21 th	22° 21'	62° 46'	5° 66° N	184	4574	30° 20'	78°	77°	SE	SE	SE
22 th	23° 3'	60° 58'	5° 67° N	108	4682	30° 18'	80°	78°	SE	ENE	ENE
23 th	25° 32'	59° 44'	5° 67° N	76	4758	30° 20'	80°	78°	North	NE	NE
24 th	24° 2'	58° 59'	5° 62° N	70	4828	30° 20'	88°	78°	NNW	calm	
25 th	25° 26'	55° 46'	5° 62° N	184	5012	30° 00'	82°	78°	NNW	NNW	NNW
26 th	26° 37'	53° 07'	5° 65° N	170	5182	30° 10'	80°	77°	NNW	NNW	NNW
27 th	27° 26'	45° 24'	5° 76° N	260	5442	29° 80'	83°	76°	SE	East	
28 th	29° 34'	46° 54'	5° 33° N	145	5587	29° 90'	78°	72°	NNW	NNW	NNW
29 th	27° 56'	45° 52'	123° N	124	5711	30° 00'	78°	76°	West	West	West
30 th	26° 58'	45° 18'	1174° N	180	5861	30° 20'	76°	77°	SW	SW	SW
Decr 1 st	26° 32'	40° 00'	1052° N	180	6041	30° 25'	72°	75°	SW	SW	SW
2 nd	27° 54'	36° 48'	5° 65° N	195	6236	30° 25'	75°	75°	South	SE	SE
3 rd	29° 55'	33° 43'	9° 55° N	200	6436	30° 15'	73°	76°	NE	NE	NE
4 th	30° 57'	30° 55'	9° 64° N	170	6606	30° 10'	78°	73°	SW	SE	SE
5 th	33° 9'	29° 33'	9° 31° N	142	6748	30° 00'	72°	72°	SE	SE	SE
6 th	33° 43'	27° 28'	5° 71° N	112	6860	29° 80'	76°	72°	SSW	Calm	
7 th	34° 38'	26° 26'	5° 44° N	80	6940	30° 15'	72°	72°	SE	insh	
8 th	34° 54'	22° 32'	5° 85° N	204	7144	30° 00'	72°	70°	SE	SE	SE
9 th	35° 5'	21° 55'	5° 68° N	80	7174	30° 20'	72°	70°	Calm	SW	SW
10 th	35° 5'	20° 41'	5° 89° N	60	7234	29° 90'	68°	67°	SE	SE	SE
11 th	35° 2'	18° 43'	5° 88° N	100	7334	30° 00'	72°	67°	East	SW	SW

Commodore Perry's Voyage to New York 1849
Tides Remarks

S E	Strong trades & fine weather.
S E	" " "
S E	Moderate " " "
East	" " "
East	" " "
East	Moderate - high sea - light - very pleasant. Ship "united"
W S E	Moderate & fine - fresh breeze - fresh & equal 12 am. Calm 6 am
South	Fresh trades & fine.
S E	Moderate " "
East	" " "
W S	Light breeze & pleasant. Moderate from N E. United ship set sail Remarks
N E W	Light & huffing
W N	Light wind & rather - light breeze. High swell from S. Calm 6 am. weather
N W	Light & clear - fresh breeze with passing clouds.
South	Fresh breeze - light breeze -
N W N	Fresh breeze - 12 m. breeze - wind East - high sea. Through the night
W N W	fresh & steady - wind bearing progressively to the north. United ship set sail
West	Moderate - Fresh breeze & high sea. United ship set sail 9 am
E N	Fresh breeze & high sea. Moderate with another sea & fine weather.
E N	Light & steady - fresh with turbulent sea. Moderate breeze.
S by N	Fresh breeze & high sea. Moderate breeze.
E N E	Moderate breeze & fine.
S N	Fresh breeze & fine - 12 m. steady from wind. United ship set sail.
E N E	Moderate with high sea. Light breeze
W. S S W	Fresh & clear & fine equally in the west. Sudden calm & equal with sharp gusts
E N E	12 m. strong breeze from West. Current to west to the west.
South	Fresh - 12 m. moderate. Wind West & East 3 ft.
S E	12 m. wind west. 12 m. high gale. Wind east mainly. 12 m. moderate frequent
Calm	spurts main & minor 12 m. winds. Wind moderate with moderate sea.
Calm	Moderate with high sea. Calm - current to west to the west.
East	12 m. fresh - 12 m. no current.
S E	Light breeze & pleasant.
West	Light - 12 m. high gale 12 m. North West 12 m. 12 m. wind backed to
	E. and fresh. 12 m. high sea with some squalls.

Abstract Log of Ship "Jacob Bell"										Globe & P. Low	
1809	Dist.	Long.	Lat.	1860	Dist.	Long.	Lat.	Westerly	Days out	Wind	Westerly
Decr 1 st	83° 21'	15° 32'	N 58° N	196	7680	30° 20'	65°	66°	61	West.	W SW
1 13'	31° 47'	12° 22'	N 65° N	188	7718	30° 20'	72°	68°	62	W SW	W SW
1 14'	29° 40'	8° 57'	N 63° N	316	7934	30° 30'	74°	69°	63	W SW.	SW
1 15'	27° 56'	6° 2'	N 62° N	181	8114	30° 20'	70°	69°	64	S E.	South
1 16'	26° 24'	3° 7'	N 62° N	188	8302	30° 30'	71°	70°	65	S E	SE
1 17'	24° 42'	0° 18'	N 67° N	98	8500	30° 30'	74°	71°	66	South	South
1 18'	23° 6'	1° 32'	N 44° N	135	8635	30° 20'	74°	71°	67	SE	E to SE
1 19'	21° 52'	2° 83'	N 42° N	102	8787	30° 20'	76°	72°	68	SE	SE
1 20'	20° 58'	3° 51'	N 42° N	80	8817	30° 20'	76°	72°	69	South	SE
1 21'	19° 32'	4° 51'	N 33° N	100	8917	30° 20'	78°	72°	70	SE	SE
1 22'	18° 13'	6° 18'	N 48° N	112	9029	30° 20'	78°	73°	71	SE	SE
1 23'	16° 54'	7° 85'	N 48° N	120	9149	30° 20'	78°	75°	72	SE	South
1 24'	15° 46'	10° 4'	N 59° N	142	9291	30° 20'	76°	72°	73	SE	SE
1 25'	14° 43'	12° 26'	N 64° N	154	9445	30° 20'	77°	73°	74	SE	SE
1 26'	13° 45'	14° 41'	N 64° N	148	9593	30° 20'	76°	74°	75	SE	SE
1 27'	12° 45'	16° 36'	N 62° N	128	9721	30° 20'	76°	76°	76	SE	SE
1 28'	11° 47'	18° 55'	N 62° N	150	9871	30° 18'	80°	76°	77	SE	East
1 29'	10° 20'	21° 1'	N 56° N	154	10025	30° 10'	80°	77°	78	SE	SE
1 30'	7° 49'	23° 46'	N 49° N	212	10237	30° 10'	81°	78°	79	East	SE
1860	5° 33'	26° 30'	N 50° N	224	10461	30° 10'	82°	79°	80	SE	SE
Jany 1 st	3° 23'	28° 55'	N 44° N	190	10651	30° 10'	86°	79°	81	SE	SE
2 122'	30° 54'	N 44° N	178	10829	30° 00'	88°	79°	82	SE	SE	
3 0° 39'	32° 40'	N 38° N	160	10989	30° 10'	88°	81°	83	SE	SE	
4 2° 44'	34° 18'	N 38° N	962	11151	30° 10'	88°	82°	84	SE	SE	
5 4° 25'	36° 10'	N 30° N	152	11303	30° 10'	84°	82°	85	SE	SE	
6 6° 30'	38° 20'	N 30° N	180	11483	30° 10'	80°	78°	86	SE	SE	
7 8° 26'	41° 28'	N 60° N	216	11699	30° 10'	78°	78°	87	NE	NE	
8 10° 52'	45° 24'	N 56° N	276	11975	30° 10'	82°	79°	88	NE	NE	
9 12° 58'	49° 00'	N 60° N	240	12210	30° 10'	82°	78°	89	SE	SE	
10 15° 39'	52° 32'	N 60° N	260	12475	30° 10'	82°	79°	90	SE	SE	

Commemorative from the Plateau via Thompson towards New York 1859		
10 AM	W N W	1850
11 AM	W S W	5 PM Cape of Good Hope from 10 to 12 miles. 10m signalled by ship YACCA 12 day from morning on Tuesday.
12 PM	South	Moderate throughout with fine weather.
1 PM	SE	" " "
2 PM	NE	Moderate & variable - cloudy.
3 PM	SE	Fine breeze & pleasant.
4 PM	SE	Fine breeze - very variable
5 PM	SE	Moderate - light - light & baffling.
6 PM	SE	Light & baffling.
7 PM	South	" "
8 PM	SE	" "
9 PM	SE	Light trades & pleasant.
10 PM	SE	" "
11 PM	SE	" "
12 AM	SE	commenced raining quarter deck
1 AM	SE	Moderate trades "
2 AM	SE	" "
3 AM	SE	Light "
4 AM	SE	" "
5 AM	East	" "
6 AM	SE	" "
7 AM	SE	Fine breeze & fresh trades.
8 AM	SE	" "
9 AM	SE	" " 10m signalled "H. & N. Co" 2nd of May.
10 AM	SE	" " passed a ship "a big".
11 AM	SE	Moderate - high swell from N E.
12 PM	SE	Pleasant trades. 11m fresh swell from S E to N E. Equally & baffling.
1 PM	SE	Equally, wind veering from S to ENE. Weather equally & the much less.
2 PM	SE	Moderate & pleasant. equally with heavy rain wind from S E to N E.
3 PM	SE	11m took N E trades. Fresh breeze throughout.
4 PM	SE	Fresh trades with breezy weather. Moderate.
5 PM	SE	Moderate breeze veering S to E winds. strong trades.
6 PM	SE	Fresh trades & fine.

Date	Lat	Long	Course	Dist	Wind	Dist	Barr	Air	Water	Days	Wind	Wind	Middle
July 11	18° 22'	66° 30'	N 52° W	290	12765	30° 20'	82°	78°	91	N E	N E		
" 12	21° 6'	60° 29'	N 35° W	280	12845	30° 30'	82°	78°	92	N E	N E		
" 13	23° 39'	65° 27'	N 50° W	230	13275	30° 40'	80°	77°	93	E N E	E N E		
" 14	26° 8'	66° 27'	N 44° W	218	13493	30° 40'	80°	76°	94	E by N	E by N		
" 15	28° 31'	65° 20'	N 36° W	174	13667	30° 30'	82°	74°	95	East	E		
" 16	30° 45'	59° 35'	N 26° W	184	13821	30° 30'	80°	72°	96	South	South		
" 17	38° 30'	51° 11'	N 25° W	180	14001	30° 10'	70°	69°	97	S of W	S of W		
" 18	38° 26'	51° 53'	S 58° W	22	14023	30° 10'	70°	69°	98	S W	S W		
" 19	38° 8'	52° 30'	N 25° W	114	14137	30° 00'	86°	70°	99	S W	S W W		
" 20	35° 21'	52° 28'	North	14	14151	30° 30'	86°	71°	100	S W	S W W		
" 21	34° 36'	50° 32'	N 11° W	260	14411	30° 30'	45°	50°	101	W N W	M W		
" 22									102				

Commander from Foo-Chow via Whampoa towards New York. 1859
 &
 Trotter Remarks. 1860

NE	Strong Trades & fine weather	
E NE	Fresh " " "	
E N E	Fresh " & squally. Moderate & fine.	
E by W	Moderate trades & beautiful weather.	
South	Moderate & pleasant. 3 a.m. wind S SE & South, light rain squalls. Ends pleasant	
South	Moderate with cloudy hazy weather. Ends moderate breeze.	
S or	Light breeze - 5 P.M. heavy cloud from N.E. but no wind. 8 P.M. moderate from S.E.	
or W	Midnight fresh breeze with rain squall. double reef'd. Ends strong breeze & bad looking weather.	
or NW	2 P.M. more shift to S.E. 4 P.M. sudden shift to N.W. with heavy squall. Ship drove too. midnight	
or NW	moderate with heavy sea. Ends calm.	
West	Light airs. 8 P.M. strong breeze. double reef'd. 1 st watch hard squalls of rain. at	
	midnight ends the Gulf. heavy squalls. furled mainsail. 1st & spanker. 8 a.m. ends.	
	commences Hard Gale. 10 P.M. more moderate. Ends brisk breeze from N.W. & fine	
	Fine breeze & clear weather -	
	4 P.M. took a Pilot. at daylight took a tug at noon hauled along	
	side the wharf 102 days from Macao	

This concludes my 16th voyage as Master
 " . 17th " to China
 " . 22nd " to Sea



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